

EAP Title: Universal/HazWaste Reduction		EAP #: 03-22112013
Installation: SAFB	RST:	IST: PAFB
Related EAPs: 01-18112013 Recycling and 02-22112013 HazMat		<input type="checkbox"/> Study <input checked="" type="checkbox"/> Improve
EAP OPR POC: Doug Chase	POC Unit: 50 CES/CEIE	POC Phone: 567-4242
EAP OCR POC: Andy Jensen	POC Unit: 50 CES/CEIE	POC Phone: 567-3360
Creation Date: 22 Nov 2013	ECD: On-Going	Last Review Date:

RECORD OF UPDATES —Changes made to the overarching Objective(s) or Target(s) require CFT approval.		
Name:	Date:	Reason for Update:

PLAN SUMMARY —Overview of the main points of the EAP to include a site history.
<p>Prior to Oct 2010,</p> <ol style="list-style-type: none"> 1. Waste determination and management requires UW and HW management training 2. UW containers must be properly labeled, marked, and closed 3. UW accumulation start dates must be annotated when first used material is placed in container 4. Site additional UW containers to facilitate program

SIGNIFICANCE/MISSION IMPACT —A scoring factor that relates to the potential for a particular aspect to degrade the ability of the installation to perform its mission. (AF EMS Implementation Guidance Series Module 1 Section 4.5)
<p>Scale 1-5, aspect inventory score of 2 is the highest number for mission degradation, score related to UW and HW management</p>

SIGNIFICANT ENVIRONMENTAL ASPECT(S) —An element of an organization's activities, products, or services that can interact with the environment. Environmental aspects are scored by the CFT and significant aspects are identified—generally the aspects with the highest scores are deemed significant. This section should identify the significant environmental aspect(s) that contribute to the accomplishment of the EAPs objective. (ISO 14001:2004 Section 3.6)	
Aspect ID (eDASH)	Aspect

ENVIRONMENTAL IMPACT(S) —Any change to the environment, whether adverse or beneficial, wholly or partially resulting from an organization's environmental aspects. (ISO 14001:2004 Section 3.7)
<p>Comply with AF policy letter dated 27 Apr 12 on solid waste reduction</p>

GOVERNING REGULATIONS/GUIDANCE—The body of legal requirements—federal, state, and local as well as DoD, AF, Installation that determine base compliance or conformance.

1. AF Policy on Achieving Efficiencies through Pollution Prevention and Waste Elimination, 27 Apr 12
2. AFI 32-7042 *Waste Management*, chapter 2 Hazardous Waste Management
- 3.
- 4.

OBJECTIVE(S)—An overall environmental goal, consistent with the environmental policy that an organization sets itself to achieve. Environmental objectives state the overall goal of the EAP.

Objective 3: Properly manage universal waste and hazardous waste

SSPP Goals

<input type="checkbox"/> 1.1 Reduce Energy Intensity	<input type="checkbox"/> 3.0 Reduce Scope 1 and 2 GHG Emissions	<input type="checkbox"/> 6.2 Disposition of Excess/Surplus Electronics
<input type="checkbox"/> 1.2 Increase Renewable Energy	<input type="checkbox"/> 4.0 Reduce Scope 3 GHG Emissions	<input type="checkbox"/> 6.3 Certify Pesticide Applicators
<input type="checkbox"/> 1.2 Increase Renewable Energy	<input type="checkbox"/> 4.1 Reduce GHG Emissions from Air Travel	<input type="checkbox"/> 7.1 Sustainable Procurement
<input type="checkbox"/> 1.3 Reduce Vehicle Petroleum Use	<input type="checkbox"/> 4.2 Increase Teleworking	<input type="checkbox"/> 7.2 Meet GPS in 15% of Existing Buildings
<input type="checkbox"/> 1.4 Recover Biogas for Use	<input type="checkbox"/> 5.1 Reduce Printing Paper Use	<input type="checkbox"/> 8.1 EMS Implementation
<input type="checkbox"/> 2.1 Reduce Potable Water Consumption	<input type="checkbox"/> 5.2 Divert Nonhazardous Solid Waste	<input type="checkbox"/> 8.2 Coordinate with Regional/Local Transportation/Energy Planners
<input type="checkbox"/> 2.2 Reduce Industrial/Irrigation Water Consumption	<input type="checkbox"/> 5.3 Divert at least 60% of C&D Debris	<input type="checkbox"/> 8.3 Maintain Integrated Pest Management Plan
<input type="checkbox"/> 2.3 Maintain Pre-Development Hydrology in Construction/Renovation	<input checked="" type="checkbox"/> 6.1 Reduce Toxic Chemical Use	

CONTRIBUTING PROCESSES—Activities or services that contribute to the stated impact. Identify if operational controls are needed to mitigate the process. List operational controls in the next section.

Process:	Op. Control:	POC:
1. UW and HW management training	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Doug Chase
2. SOP, accumulation time limits placed on UW containers	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Doug Chase
3. SOP, instruction placed on UW containers	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Doug Chase
4. SOP, UW labeling placed on UW containers	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Doug Chase
5. SOP, marked "Used Batteries", "Used Lamps", etc	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Doug Chase

TARGETS—Specific goals that support the identified objective. Targets must be specific, measureable, attainable, realistic, and timely (SMART). Targets must also include a completion date. (Air Force (AF) EMS Implementation Guidance Module 1 Section 5.1.)

Target: Workcenters demonstrate proper HW and UW management	ECD:	Complete
3.1.1 Employee training, must inform employees on responsibilities of handling UW	On-going	<input type="checkbox"/>
3.1.2 Accumulation time limits, demonstrate length of time UW is accumulated	On-going	<input type="checkbox"/>
3.1.3 UW determination, SOPs placed on UW containers	On-going	<input type="checkbox"/>
3.1.4 UW Labeling, SOPs placed on UW containers	On-going	<input type="checkbox"/>
3.1.5 UW Marking, SOPs placed on UW containers	On-going	<input type="checkbox"/>

TASKS—Specific steps needed to accomplish the identified targets. Generally, multiple tasks are required to accomplish each target. Tasks should identify or reference which target they are addressing.

Tasks:	POC:	Start Date:	% Comp	ECD:	Associated Target #
1. Employee training	Doug Chase	Aug 2010	90	On-going	3.1.1
2. SOPs, accumulation time limits	Doug Chase	Aug 2010	90	On-going	3.1.2
3. SOPs, UW determination	Doug Chase	Aug 2010	90	On-going	3.1.3
4. SOPs, UW labeling	Doug Chase	Aug 2010	90	On-going	3.1.4
5. SOPs, UW marking	Doug Chase	Aug 2010	90	On-going	3.1.5

OPERATIONAL CONTROLS—Physical, engineering, or administrative in nature; used to ensure activities, products, or services are carried out under specified conditions. ISO 14004:2004 Section 4.6 provides guidance for identifying operational controls, establishing, and monitoring operational controls. Identify if the operational control is currently in place or if it needs to be established.

Operational Control	In Place	Needed	Operational Control	In Place	Needed
1. SOPs on UW containers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3.	<input type="checkbox"/>	<input type="checkbox"/>
2.	<input type="checkbox"/>	<input type="checkbox"/>	4.	<input type="checkbox"/>	<input type="checkbox"/>

PERFORMANCE INDICATORS—“Environmental” and “operational” performance indicators as those which provide information about the environmental and/or operational performance of the organization. Performance indicators are quantifiable measurements, agreed to beforehand, that reflect the success factors of an organization’s performance. Performance indicators must reflect the organization’s goals, are critical to its success, and must be quantifiable (measurable). Performance indicators are usually long-term considerations. (ISO 14004:2004 Sections 3.17 and 3.19).

Performance Indicator:	POC:	Data Source:
1. Reduce HW 7 percent by 2015	Doug Chase	50 CES/CEIE
2.		

RESOURCES REQUIRED—The resources the Wing Commander will need to allocate to achieve the stated objective. The installation should consider manpower, equipment, training, and project funds to accomplish the objective.

Man Power:	Amount:
1. Quarterly management of UW batteries and lamps (80 hrs x \$32.00 hr)	\$2,560
2. Annual UW disposal (40 hrs x \$38.00 hr)	\$7,250
3. New UW containers and labels	\$1,200
4. Annual UW and HW analysis	\$2,300
Training:	Amount:
1. One time UW management training (avg 15 people x \$32 hr x 1 hr)	\$480

RESOURCES REQUIRED —The resources the Wing Commander will need to allocate to achieve the stated objective. The installation should consider manpower, equipment, training, and project funds to accomplish the objective.			
2. On-going UW awareness training with SOPs (avg 60 people x \$32 hr x 1 hr)			\$1,920
Equipment:			Amount:
1. Annual UW disposal drums and containers			\$1,200
2. Annual lamp crusher filters			\$300
Projects:	AMP¹	ACES Project #	Amount:
1.			
2.			
Notes: 1. Was the project included in the AMP?			

COST BENEFIT ANALYSIS —Value of the monetary costs and benefits associated with all alternatives being considered, providing a relatively accurate estimate of non-monetary costs and benefits. The analyses should consider monetary costs/benefits, man-hours, mission impacts, environmental stewardship, and costs for exceeding permit requirements. (AFI 65-501, Economic Analysis)	
Consideration:	Cost/Benefit:
1.	
2.	
3.	
4.	

DOCUMENTS —Information and its supporting medium (ISO 14001:2004 Section 3.4). The medium can be paper, magnetic, electronic or optical computer disc, photographs or a combination thereof. Documents that must be used or maintained to support the stated objective, target, or EAP should be listed in this section. (ISO 14001:2004 Section 4.4.4).		
Document:	POC:	Location:
Tab: EMS	Doug Chase	50 SW eDASH

RECORDS —A document stating results achieved or providing evidence of activities performed (ISO 14004:2004 Section 3.24). "...all books, papers, maps, photographs, machine readable materials, or other documentary materials, regardless of physical form or characteristics, made or received by an agency of the United States Government under Federal law or in connection with the transaction of public business and preserved or appropriate for preservation by that agency or its legitimate successor as evidence of the organization, functions, policies, decisions, procedures, operations, or other activities of the Government or because of the informational value of data in them." (AFI 33-322, Records Management).		
Records:	POC:	Location:
1. Tab: EMS	Doug Chase	50 SW eDASH
2.		
3.		
4.		